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(54) Title: METHODS TO PREVENT TUMOR RECURRENCE BY BLOCKADE OF TGF- β

(57) **Abstract:** Methods are provided herein to prevent a tumor recurrence in a subject, involving administering to the subject an agent that blocks the TGF- β signaling pathway. In one embodiment, the agent inhibits the immunosuppressive effects of TGF- β . Also provided is a method of enhancing an immune response in a subject to inhibit recurrence of a tumor by administering an agent which blocks the TGF- β signaling pathway. A method of enhancing the activity of an immune cell to inhibit recurrence of a tumor by contacting a TGF- β receptor-expressing cell with an agent which blocks the TGF- β signaling pathway is also provided, as are methods of screening for an agent that inhibits or measurably reduces the recurrence of a tumor.